



PATENT APPLICATION
Attorney Docket No. 5038-327
Intel Matter No.: P17931

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **BUFFERED MEMORY MODULE WITH IMPLICIT TO EXPLICIT MEMORY COMMAND EXPANSION**, the specification of which:

- is attached hereto.
 was filed on November 13, 2003, as Application No. 10/713,784
 and was amended on _____ (if applicable)
 with amendments through _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Claiming Priority?			
<hr/> <hr/> (Number)	<hr/> <hr/> (Country)	<hr/> <hr/> (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below:

<u>Provisional Application No.</u>	<u>Filing Date</u>
<hr/>	<hr/>

I hereby claim the benefit under Title 35, United States Code, Sec. 120 or §365(c) of any PCT international application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)	(Filing Date)	(Status) (patented, pending, abandoned)
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I hereby appoint the attorneys associated with the following customer number to prosecute the application, to file a corresponding international application, to prosecute and transact all business in the Patent and Trademark Office connected therewith:

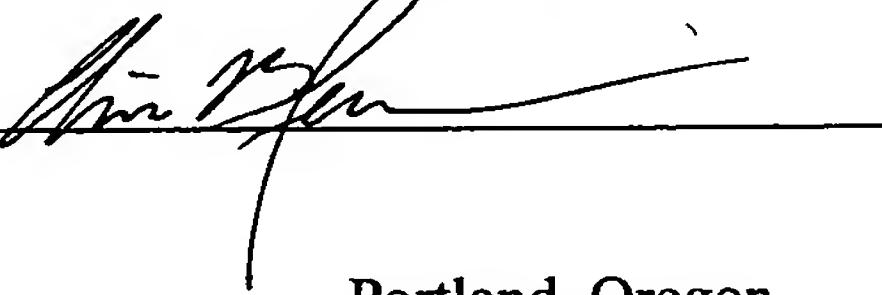
CUSTOMER NO. 32231

Direct all telephone calls to James E. Harris at (503) 222-3613 and send all correspondence to:

MARGER JOHNSON & McCOLLOM, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Chris B. Freeman

Inventor's signature: 

11/15/03
(Date)

Residence: Portland, Oregon

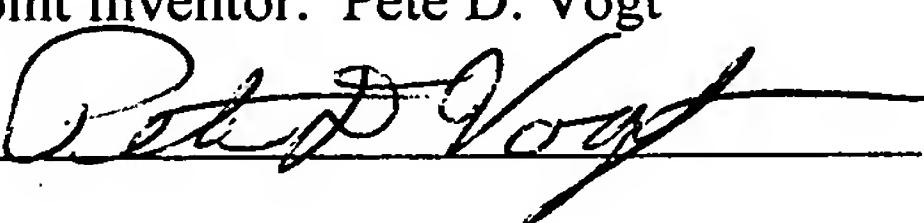
Citizenship: U.S.A.

Post Office address: 12590 SW Bowmont Street

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Full name of second joint inventor: Pete D. Vogt

Inventor's signature:



(Date)

Residence: Boulder, Colorado

Citizenship: United States

Post Office address: 5395 Centennial Trail

Full name of third joint inventor: Kuljit S. Bains

Inventor's signature:

(Date)

Residence: Olympia, WA

Citizenship: India

Post Office address: 9146 52nd Lane NE

Full name of fourth joint inventor: Robert M. Ellis

Inventor's signature:

(Date)

Residence: Hillsboro, Oregon

Citizenship: United States

Post Office address: 4177 SE Hemlock

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Full name of second joint inventor: Pete D. Vogt

Inventor's signature: _____ (Date)

Residence: Boulder, Colorado

Citizenship: United States

Post Office address: 5395 Centennial Trail

Full name of third joint inventor: Kuljit S. Bains

Inventor's signature: K. Bains (Date) 11/24/03

Residence: Olympia, WA

Citizenship: India

Post Office address: 9146 52nd Lane NE

Full name of fourth joint inventor: Robert M. Ellis

Inventor's signature: _____ (Date)

Residence: Hillsboro, Oregon

Citizenship: United States

Post Office address: 4177 SE Hemlock

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Full name of second joint inventor: Pete D. Vogt

Inventor's signature: _____ (Date)

Residence: Boulder, Colorado

Citizenship: United States

Post Office address: 5395 Centennial Trail

Full name of third joint inventor: Kuljit S. Bains

Inventor's signature: _____ (Date)

Residence: Olympia, WA

Citizenship: India

Post Office address: 9146 52nd Lane NE

Full name of fourth joint inventor: Robert M. Ellis

Inventor's signature: Robert M. Ellis 11-17-2003
(Date)

Residence: Hillsboro, Oregon

Citizenship: United States

Post Office address: 4177 SE Hemlock

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Full name of fifth joint inventor: John B. Halbert

Inventor's signature:

12/31/03

(Date)

Residence: Beaverton, OR

Citizenship: United States

Post Office address: 15045 SW Emerald Court

Full name of sixth joint inventor: Michael W. Williams

Inventor's signature:

(Date)

Residence: Citrus Heights , CA

Citizenship: United States

Post Office address: 8386 Zancanaro Court

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Full name of fifth joint inventor: John B. Halbert

Inventor's signature: _____ (Date)

Residence: Beaverton, OR

Citizenship: United States

Post Office address: 15045 SW Emerald Court

Full name of sixth joint inventor: Michael W. Williams

Inventor's signature: Michael W. Williams 11/19/03 (Date)

Residence: Citrus Heights , CA

Citizenship: United States

Post Office address: 8386 Zancanaro Court